2. Please replace the paragraph beginning at line 4 of page 14, with the following rewritten paragraph:

- The conveyer-drawing structure comprises support housings 12 and 14, support bearings 16 and 18, bearings 13 and 15, bearings 52 and 53, drive shafts 20 and 21, a tubular support 32 (composed of two parts), and radial arms 46, 48, 62, 62', and 62" (six of each arm). The radial arms are arranged in an isosceles hexagon when viewed in cross section. Bearings 16 and 18, which are mounted in housings 14 and 12 respectively, support one end of shaft 20 and one end of shaft 21 respectively. Two bearings 13 and two bearings 15 are mounted in tubular support 32. They support shafts 21 and 20 respectively. Support 32 supports radial arms 46, 48, 62, 62', and 62". Arms 48 support bearings 52. Bearings 52 can be moved along and secured in slots 50 in arms 48, angle α of spindles 54 being changed. Arms 62 support bearings 53. Bearings 53 and 52 support shaft portions 54a and 54b of spindles 54 respectively. Arms 62' and 62" support spindles 54 to prevent sagging. --

- 3. Please replace the paragraph beginning at line 5 of page 15, with the following rewritten paragraph:
- -- (c) The take-off device comprises a pair of driven conveying rollers 28, a roller 28', a weight 30, an fiber unwinding flyer 24, an inlet 24a, a third inner guide channel 21a, a fourth inner guide channel 24b, a polytetrafluoroethylene tube (not shown), and shaft 21 (it is also a part of the conveyer-drawing structure, see above). Flyer 24 is secured to shaft 21 at the delivery ends of spindles 54. Flyer 24 has inlet 24a at its free end and fourth guide channel 24b communicating with third guide channel 21a passing through the end portion of shaft 21. Roller 28' supports weight 30. The polytetrafluoroethylene tube (not shown) is inserted into channels 21a and 24b up to inlet 24a, the fiber passing through the channels with very little friction. --

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- 4. Please replace the paragraph beginning at line 15 of page 15, with the following rewritten paragraph:
- -- (d) The driving mechanism comprises electric motors 27 and 27a, driving gears 25 and 25a, shafts 20 and 21 (they are also parts of the conveyer-drawing structure, the feed device, and the take-off device, see above), six chain wheels 56, a chain wheel 60, a chain 58, universal joints 61, shafts 55, a shaft 59, and an adjustable transmission (not shown). Gear 25 is secured to shaft 20, and gear 25a is secured to shaft 21. Chain wheels 56 are secured to shafts 55 mounted in arms 46 for rotation. Chain wheel 60 is mounted on shaft 59 for rotation and connected by the adjustable transmission (not shown) to shaft 20 (Fig. 1C). Shaft 59 is secured to arm 46. Chain 58 passes over wheels 56 and wheel 60. Universal joints 61 are mounted on the other ends of shafts 55 and connected to shaft portions 54a of spindles 54 (Figs. 1A and 1C). --
- 5. Please replace the paragraph beginning at line 25 of page 15, with the following rewritten paragraph:
- -- (e) Heat chamber 11 envelopes the conveyer-drawing structure (besides support housings 12 and 14 and bearings 16 and 18), the winding and unwinding flyers, and the driving mechanism besides motors 27 and 27a and gears 25 and 25a. It is supplied with hot air, hot inert gas, or superheated steam. --
- 6. Please replace the paragraph beginning at line 3 of page 16, with the following rewritten paragraph:
- Electric motor 27 rotates gear 25 and hence rotates shaft 20 in bearing 16 and two bearings 15. Shaft 20 rotates carrier 35 with flyer 22, shafts 36 and 38, and pinions 40 and 42 about the central axis. Pinions 40 and 42 roll on sun gears 34 and 44 preventing support 32 from turning about shaft 20 and the central axis. Thus the parts of the conveyer-drawing structure supported by tubular support 32 are prevented from rotation about the central axis. Electric motor 27a rotates gear 25a and hence rotates shaft 21 in bearing 18 and two bearings 13. Shaft 21 rotates flyer 24 about the central axis. --





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7. Please replace the paragraph beginning at line 9 of page 16, with the following rewritten paragraph:

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- -- Spindles 54 are rotated by means of electric motor 27a, gear 25a, shaft 21, the adjustable transmission (not shown), wheel 60, chain 58, wheels 56, shafts 55, and universal joints 61. Shaft portions 54a and 54b of spindles 54 rotate in bearings 53 and 52, respectively. --
- 8. Please replace the paragraph beginning at line 23 of page 16, with the following rewritten paragraph:
- -- Both flyers 22 and 24, rotated in opposite directions, make one revolution while spindles 54 make one revolution. As this takes place, each fiber loop travels along the central axis one pitch of the fiber coil. Simultaneously the fiber coil is slowly rotated about the central axis, and each point of the fiber loop passes along the loop circumference a distance equal to a spindle circumference (measured at inner diameter of the thread or spiral groove). The loops increase their circumference with each spindle revolution, the fiber gradually being drawn by rotating spindles 54 at the heat chamber temperature. The leading fiber loops are continuously unwound by flyer 24 at the delivery ends of spindles 54. The corresponding length of the fiber is conveyed through inlet 24a and guide channels 24b and 21a by the conveying rollers 28 and roller 28'. The fiber is conveyed either to the next stage of the fiber making process or, through a winder (not shown), to the receiving package (not shown). The fiber does not have permanent contact points with the spindles. This provides the uniformity of the dimensions and physical properties of the drawn fiber. --
- 9. Please replace the paragraph beginning at line 19 of page 18, with the following rewritten paragraph:
- -- The chains are driven by means of electric motor 27a, gear 25a, shaft 21, the adjustable transmission (not shown), wheel 60, chain 58, wheels 56, gears 72 and 74, and wheels 68 and 68' (Figs. 2A, 2B, and 2D). Both flyers 22 and 24, rotated in opposite directions, make one revolution while chains 66, 66a, and 66b move one chain pitch. Flyer 22 lays controlled fiber

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loops about the receiving ends of chains 66 placing each loop in contact with guide semi-rings 77 of displacing members 76a and 76b (Fig. 2C) which facilitate the fiber loop conveying along the central axis and the fiber drawing. The rest of the operation is the same as in the case of the embodiment of Fig. 1A. --

10. Please replace the paragraph beginning at line 3 of page 20, with the following rewritten paragraph:

- Chains 80 are driven by means of electric motor 27a, gear 25a, shaft 21, the adjustable transmission (not shown), wheel 60, chain 58, wheels 56, gears 72 and 74, and wheels 68 (Figs. 3A and 3E). At the same time gears 84 rotate gears 86 and long gears 90 (Figs. 3E and 3F). Gears 90 rotate gears 100 and rollers 98 while rollers 98 are moved by chains 80 from the receiving ends, along gears 90, to the delivery ends. Flyers 22 and 24, rotated in opposite directions, make one revolution while chains 80 move one chain pitch. Flyer 22 lays controlled fiber loops about the receiving ends of chains 80 placing each loop in grooves 98a of rollers 98 (Fig. 3C and 3D) and forming the layer of coiled fiber loops supported by the rollers. Rollers 98, as a part of the displacing members, facilitate the fiber loop conveying along the central axis and the fiber drawing. As the fiber loops travel to the left along the central axis, as viewed in Fig. 3A, the fiber coil is rotated about the central axis by rollers 98. This changes contact points between the fiber and the rollers thus resulting in a better uniformity of dimensions and physical properties of the drawn fiber. Rotation speed of rollers 98 and the fiber coil is adjustable. The rest of the operation is the same as in the case of embodiment of Fig. 2A. --

11. Please replace the table with title "Reference Numerals in Drawings" beginning at line 4 of page 12, with the following rewritten table (see next page):

## Reference Numerals in Drawings

12,14 support housings 56 chain wheel 13, 15 bearings 58 chain 16,18 support bearings 59 shaft 20, 21 drive shafts 60 chain wheel 20a first inner guide channel 61 universal joint 21a third inner guide channel 62, 62', 62" radial arms 22 fiber winding flyer 66, 66a, 66b chain sections 22a outlet (of the fiber winding flyer) 68 chain wheel 22b second inner guide channel 69 shaft 24 fiber unwinding flyer 68' double guide chain wheel 24a inlet (of the fiber unwinding flyer) 70, 70', 70" radial arms 25, 25a driving gears 72 beveled gear G fiber 74 beveled gear G fiber 75 beveled gear 27, 27a electric motors 77 guide semi-ring 28 conveying roller 78, 78', 78" support parts 29' roller 80 chain 30 weight 82 shaft 32 tubular support 84, 86 beveled gears 34 first sun gear 88 shaft 35 planetary carrier 90 long gear 36, 38 shafts 92 shaft 40,42 planetary pinions 96 support part 44 second sun gear 98 roller 50 guide slot 102 ball bearing 54, 54b shaft portions	. 11	heat chamber	55	shaft
13, 15         bearings         58         chain           16,18         support bearings         59         shaft           20, 21         drive shafts         60         chain wheel           20a         first inner guide channel         61         universal joint           21a         third inner guide channel         62, 62', 62"         radial arms           22         fiber winding flyer         66, 66a, 66b         chain sections           22a         outlet (of the fiber winding flyer)         68         chain wheel           22b         second inner guide channel         69         shaft           24         fiber unwinding flyer         70, 70', 70"         radial arms           24a         inlet (of the fiber unwinding flyer)         70, 70', 70"         radial arms           25, 25a         driving gears         72         beveled gear           6         fiber         74         beveled gear           6         feed roller         76a, 76b         fiber displacing members           27, 27a         electric motors         77         guide semi-ring           28         conveying roller         78, 78', 78"         support parts           28'         roller         80	·.			
10,18 support bearings 20, 21 drive shafts 60 chain wheel 20a first inner guide channel 61 universal joint 21a third inner guide channel 62, 62', 62" radial arms 22 fiber winding flyer 66, 66a, 66b chain sections 22a outlet (of the fiber winding flyer) 68 chain sections 22b second inner guide channel 69 shaft 24 fiber unwinding flyer 68' double guide chain wheel 24a inlet (of the fiber unwinding flyer) 70, 70', 70" radial arms 24b fourth inner guide channel 71, 71', 71" radial arms 25, 25a driving gears 72 beveled gear 66 feed roller 76a, 76b fiber displacing members 27, 27a electric motors 77 guide semi-ring 28 conveying roller 78, 78', 78" support parts 28' roller 30 weight 82 shaft 32 tubular support 84, 86 beveled gears 35 planetary carrier 90 long gear 36, 38 shafts 92 shaft 40,42 planetary pinions 96 support part 44 second sun gear 46, 48 radial arms 98a circumferential groove 49 radial arm 100 gear 50, 30d shaft 54 spindle 50 guide slot 50, 104 shaft 504		• • •		
20, 21 drive shafts 60 chain wheel 20a first inner guide channel 61 universal joint 21a third inner guide channel 62, 62', 62" radial arms 22 fiber winding flyer 66, 66a, 66b chain sections 22a outlet (of the fiber winding flyer) 68 chain wheel 22b second inner guide channel 69 shaft 24 fiber unwinding flyer 68 double guide chain wheel 24a inlet (of the fiber unwinding flyer) 70, 70', 70" radial arms 24b fourth inner guide channel 71, 71', 71" radial arms 25, 25a driving gears 72 beveled gear G fiber 74 beveled gear G feed roller 76a, 76b fiber displacing members 27, 27a electric motors 77 guide semi-ring 28 conveying roller 78, 78', 78" support parts 28' roller 80 chain 30 weight 82 shaft 32 tubular support 84, 86 beveled gears 34 first sun gear 88 shaft 35 planetary carrier 90 long gear 36, 38 shafts 92 shaft 40,42 planetary pinions 96 support part 44 second sun gear 98 roller 46, 48 radial arms 98a circumferential groove 49 radial arm 100 gear 50 guide slot 102 ball bearing 54 spindle 106, 106a pins	=			
first inner guide channel  21a third inner guide channel  22 fiber winding flyer  22a outlet (of the fiber winding flyer)  22b second inner guide channel  24 fiber unwinding flyer  24 fiber unwinding flyer  25 second inner guide channel  26 shaft  27 double guide chain wheel  28 inlet (of the fiber unwinding flyer)  29 brown fourth inner guide channel  29 chain wheel  20 shaft  20 shaft  21 double guide chain wheel  22 double guide chain wheel  23 driving gears  24 driving gears  25 driving gears  26 feed roller  26 feed roller  27 day, 76b fiber displacing members  27, 27a electric motors  27 desemi-ring  28 conveying roller  28 conveying roller  30 weight  32 shaft  32 tubular support  44 first sun gear  35 planetary carrier  36, 38 shafts  40,42 planetary pinions  44 second sun gear  45 radial arms  46, 48 radial arms  50 guide slot  50, 104 shaft  50 spindle  50 follof a pins		• • •		
third inner guide channel fiber winding flyer could to (of the fiber winding flyer) could to (of the fiber unwinding flyer) could to (of the fiber winding flyer) could arms could arms could arms chain wheel c	-			•
fiber winding flyer outlet (of the fiber winding flyer) outlet (of the fiber unwinding flex in double guide (attem	· ·			
22aoutlet (of the fiber winding flyer)68chain wheel22bsecond inner guide channel69shaft24fiber unwinding flyer68'double guide chain wheel24ainlet (of the fiber unwinding flyer)70, 70', 70"radial arms24bfourth inner guide channel71, 71', 71"radial arms25, 25adriving gears72beveled gearGfiber74beveled gear26feed roller76a, 76bfiber displacing members27, 27aelectric motors77guide semi-ring28conveying roller78, 78', 78"support parts28'roller80chain30weight82shaft32tubular support84, 86beveled gears34first sun gear88shaft35planetary carrier90long gear36, 38shafts92shaft40,42planetary pinions96support part44second sun gear98roller4648radial arms98acircumferential groove49radial arm100gear50guide slot102ball bearing52,53bearings104shaft54spindle106, 106apins				
22bsecond inner guide channel69shaft24fiber unwinding flyer68 'double guide chain wheel24ainlet (of the fiber unwinding flyer)70, 70', 70"radial arms24bfourth inner guide channel71, 71', 71"radial arms25, 25adriving gears72beveled gearGfiber74beveled gear26feed roller76a, 76bfiber displacing members27, 27aelectric motors77guide semi-ring28conveying roller78, 78', 78"support parts28'roller80chain30weight82shaft32tubular support84, 86beveled gears34first sun gear88shaft35planetary carrier90long gear36, 38shafts92shaft40,42planetary pinions96support part44second sun gear98roller46, 48radial arms98acircumferential groove49radial arm100gear50guide slot102ball bearing52,53bearings104shaft54spindle106, 106apins				* *
fiber unwinding flyer  inlet (of the fiber unwinding flyer)  to fourth inner guide channel  to four adial arms  to double guide chain wheel  to adial arms  to guide semi-ring  support parts  support parts  shaft  to lea fiber displacing members  guide semi-ring  support parts  shaft  seveled gear  shaft  shaft  seveled gear  shaft  shaft  seveled gear  shaft  seveled gear  shaft  shaft  seveled gear  support parts  shaft  seveled gear  support part  shaft  second sun gear  so guide shot  support part  roller  roller  roller  roller  second sun gear  support part  to long gear  support part  to long gear  support part  to long gear  so gear  support part  to long gear  support part  to long gear  shaft  support part  to long gear  shaft  support part  to long gear  so guide shot  support part  to long gear  so guide shot  support part  to long gear  so guide shot  support part  support par				
inlet (of the fiber unwinding flyer)  inlet (of the fiber unwinding flyer)  fourth inner guide channel  four fourth inner guide channel  four fadial arms  few leveled gear  fiber displacing members  guide semi-ring  support parts  support parts  support part  four fourth inner guide channel  four four fadial arms  four fiber displacing members  guide semi-ring  support parts  shaft  second gear  shaft  four four four four four fiber displacing  shaft  second sun gear  go long gear  shaft  support part  four four four four four four four four		_		
fourth inner guide channel  71, 71', 71" radial arms  25, 25a driving gears  72 beveled gear  6 fiber  74 beveled gear  75 fiber displacing members  77 guide semi-ring  78, 78', 78" support parts  78, 78', 78" support parts  78, 78', 78" support parts  79 support parts  70 support parts  70 support parts  71 support parts  72 beveled gear  73 support parts  74 support parts  75 shaft  76 shaft  77 support parts  78 support parts  78 shaft  79 support part  78 shaft  79 shaft  79 support part  79 shaft  79 support part  79 shaft  79 support part  70 support part				_ ·
25, 25a driving gears G fiber 74 beveled gear 26 feed roller 76a, 76b fiber displacing members 27, 27a electric motors 77 guide semi-ring 28 conveying roller 78, 78', 78" support parts 28' roller 80 chain 30 weight 82 shaft 32 tubular support 84, 86 beveled gears 34 first sun gear 88 shaft 35 planetary carrier 90 long gear 36, 38 shafts 92 shaft 40,42 planetary pinions 96 support part 44 second sun gear 98 roller 46, 48 radial arms 98a circumferential groove 49 radial arm 100 gear 50 guide slot 102 ball bearing 52,53 bearings 104 shaft 54 spindle 106, 106a pins				
Gfiber74beveled gear26feed roller76a, 76bfiber displacing members27, 27aelectric motors77guide semi-ring28conveying roller78, 78', 78"support parts28'roller80chain30weight82shaft32tubular support84, 86beveled gears34first sun gear88shaft35planetary carrier90long gear36, 38shafts92shaft40,42planetary pinions96support part44second sun gear98roller46, 48radial arms98acircumferential groove49radial arm100gear50guide slot102ball bearing52,53bearings104shaft54spindle106, 106apins		•	, ,	
26feed roller76a, 76bfiber displacing members27, 27aelectric motors77guide semi-ring28conveying roller78, 78', 78"support parts28'roller80chain30weight82shaft32tubular support84, 86beveled gears34first sun gear88shaft35planetary carrier90long gear36, 38shafts92shaft40,42planetary pinions96support part44second sun gear98roller46, 48radial arms98acircumferential groove49radial arm100gear50guide slot102ball bearing52,53bearings104shaft54spindle106, 106apins	•	The second secon		. •
27, 27a electric motors 28 conveying roller 78, 78', 78" support parts 28' roller 80 chain 30 weight 82 shaft 32 tubular support 84, 86 beveled gears 34 first sun gear 88 shaft 35 planetary carrier 90 long gear 36, 38 shafts 92 shaft 40,42 planetary pinions 96 support part 44 second sun gear 46, 48 radial arms 98a circumferential groove 49 radial arm 100 gear 50 guide slot 102 ball bearing 52,53 bearings 104 shaft 54 spindle 106, 106a pins	26	feed roller	76a, 76b	•
28 conveying roller 78, 78', 78" support parts 28' roller 80 chain 30 weight 82 shaft 32 tubular support 84, 86 beveled gears 34 first sun gear 88 shaft 35 planetary carrier 90 long gear 36, 38 shafts 92 shaft 40,42 planetary pinions 96 support part 44 second sun gear 98 roller 46, 48 radial arms 98a circumferential groove 49 radial arm 100 gear 50 guide slot 102 ball bearing 52,53 bearings 104 shaft 54 spindle 106, 106a pins	27, 27a	electric motors	•	
28'roller80chain30weight82shaft32tubular support84, 86beveled gears34first sun gear88shaft35planetary carrier90long gear36, 38shafts92shaft40,42planetary pinions96support part44second sun gear98roller46, 48radial arms98acircumferential groove49radial arm100gear50guide slot102ball bearing52,53bearings104shaft54spindle106, 106apins	•	conveying roller	78, 78', 78"	•
tubular support  first sun gear  planetary carrier  planetary pinions	28'			• • •
first sun gear  for  first sun gear  for  gear  first sun gear  for  first sun gear  for  first sun gear  for  gear  for  for  first sun gear  for  first sun gear  for  gear  for  for  for  first sun gear  for  for  for  first sun gear  for  for  for  first sun gear  for  for  for  for  for  for  for  f	30	weight	82	shaft
planetary carrier 90 long gear 36, 38 shafts 92 shaft 40,42 planetary pinions 96 support part 44 second sun gear 98 roller 46, 48 radial arms 98a circumferential groove 49 radial arm 100 gear 50 guide slot 102 ball bearing 52,53 bearings 104 shaft 54 spindle 106, 106a pins	32	tubular support	84, 86	beveled gears
36, 38shafts92shaft40,42planetary pinions96support part44second sun gear98roller46, 48radial arms98acircumferential groove49radial arm100gear50guide slot102ball bearing52,53bearings104shaft54spindle106, 106apins	34	first sun gear	88	shaft
40,42planetary pinions96support part44second sun gear98roller46, 48radial arms98acircumferential groove49radial arm100gear50guide slot102ball bearing52,53bearings104shaft54spindle106, 106apins	35	planetary carrier	90	long gear
44second sun gear98roller46, 48radial arms98acircumferential groove49radial arm100gear50guide slot102ball bearing52,53bearings104shaft54spindle106, 106apins	36, 38	shafts	92	shaft
46, 48radial arms98acircumferential groove49radial arm100gear50guide slot102ball bearing52,53bearings104shaft54spindle106, 106apins	40,42	planetary pinions	96	support part
49       radial arm       100       gear         50       guide slot       102       ball bearing         52,53       bearings       104       shaft         54       spindle       106, 106a       pins	44	second sun gear	98	roller
50 guide slot 102 ball bearing 52,53 bearings 104 shaft 54 spindle 106, 106a pins	46, 48	radial arms	98a	circumferential groove
52,53 bearings 104 shaft 54 spindle 106, 106a pins		radial arm	100	gear
54 spindle 106, 106a pins	50		102	ball bearing
F			104	shaft
54a, 54b shaft portions		<del>-</del>	106, 106a	pins
	54a, 54b	shaft portions		• .

## In the Drawings:

Please replace the application drawings Figs. 1-A, 2-A, 3-A, 1-B, 2-D, and 3-E with the corresponding amended drawings showing the proposed changes in red (see attached drawings).

A.